



PATENT  
Attorney Docket No.: A-68718-2/RFT/RMS/RMK  
Attorney File No.: 463037-217

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

DUONG

Serial No. 09/760,384

Filed: January 11, 2001

For: *Devices and Methods for Biochip  
Multiplexing*

Examiner: Not Yet Assigned

Group Art Unit: 1645

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 1450, Washington, D.C. 22313-1450.

Dated: December 8, 2003

Signed: *Maria Organovich*  
Maria Organovich

RECEIVED  
DEC 19 2003  
TC 1700

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
AND  
STATEMENT OF RELATEDNESS

Assistant Commissioner for Patents  
P.O. Box 1450  
Washington, D.C. 20313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicant wishes to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO-1449. Copies of the documents are enclosed.

Further, in accordance with the provisions of 37 C.F.R. § 1.98(a)(3) and MPEP §609(III)(A)(3), Applicant submits that reference no. B1 is not in the English language and directs the Examiner's attention to the English language abstract of same for a concise statement as to its relevance.

Further, with respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent application:

1. U.S.S.N. 09/904,175, filed July 11, 2001.

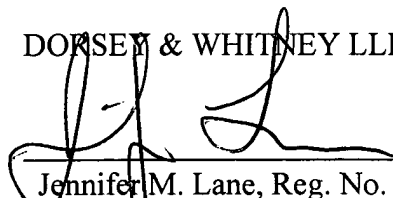
None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Pursuant to 37 C.F.R. §1.97(c), enclosed is a check in the amount of \$180.00 as set forth in 37 C.F.R. §1.17(p). While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463037-217 (A-68718-2/RMS/RMK/JML)).

Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,

DORSEY & WHITNEY LLP

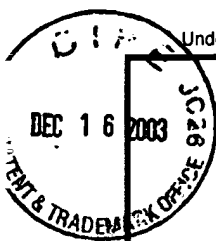


Jennifer M. Lane, Reg. No. 51,916  
Patent Agent for  
Robin M. Silva, Reg. No. 38, 304

Date: 8 Dec. 2003  
Customer Number: 32940  
Four Embarcadero Center, Suite 3400  
San Francisco, CA 94111-4187  
Telephone: (415) 781-1989  
Facsimile: (415) 398-3249

*Filed under 37 C.F.R. § 1.34(a)*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

**Complete if Known**

|                        |                                    |
|------------------------|------------------------------------|
| Application Number     | 09/760,384                         |
| Filing Date            | January 11, 2001                   |
| First Named Inventor   | DUONG, Hau H.                      |
| Group Art Unit         | 1743                               |
| Examiner Name          | Sines, Brian J.                    |
| Attorney Docket Number | A-68718-2/RFT/RMS/RMK (463037-217) |

RECEIVED  
DEC 19 2003  
TC 1700

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document Number-Kind Code <sup>2</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|---|-----------------------------|---|---|
|                    | A0                    | 4,713,347   | 12-15-1987                  | Mitchell et al.                                 |   |
|                    | A1                    | 4,735,907   | 04-05-1988                  | Schaeffer et al.                                |   |
|                    | A2                    | 4,877,830   | 10-31-1989                  | Dobeli et al.                                   |   |
|                    | A3                    | 4,920,047   | 04-24-1990                  | Giaever et al.                                  |   |
|                    | A4                    | 5,156,810   | 10-20-1992                  | Ribi  |   |
|                    | A5                    | 5,192,507   | 03-09-1993                  | Taylor et al.                                   |   |
|                    | A6                    | 5,296,375   | 03-22-1994                  | Kricka et al.                                   |   |
|                    | A7                    | 5,304,487   | 04-19-1994                  | Wilding et al.                                  |   |
|                    | A8                    | 5,308,754   | 05-03-1994                  | Kankare et al.                                  |   |
|                    | A9                    | 5,486,335   | 01-23-1996                  | Wilding et al.                                  |   |
|                    | A10                   | 5,491,097   | 02-13-1996                  | Ribi et al.                                     |   |
|                    | A11                   | 5,498,392   | 03-12-1996                  | Wilding et al.                                  |   |
|                    | A12                   | 5,552,270   | 09-03-1996                  | Khrapko et al.                                  |   |
|                    | A13                   | 5,565,552   | 10-15-1996                  | Magda et al.                                    |   |
|                    | A14                   | 5,585,069   | 12-17-1996                  | Zanzucchi et al.                                |   |
|                    | A15                   | 5,587,128   | 12-24-1996                  | Wilding et al.                                  |   |
|                    | A16                   | 5,593,838   | 01-14-1997                  | Zanzucchi et al.                                |   |
|                    | A17                   | 5,603,351   | 02-18-1997                  | Cherukuri et al.                                |   |
|                    | A18                   | 5,632,876   | 05-27-1997                  | Zanzucchi et al.                                |   |
|                    | A19                   | 5,632,957   | 05-27-1997                  | Heller et al.                                   |   |
|                    | A20                   | 5,635,358   | 06-03-1997                  | Wilding et al.                                  |   |
|                    | A21                   | 5,637,469   | 06-10-1997                  | Wilding et al.                                  |   |
|                    | A22                   | 5,643,738   | 07-01-1997                  | Zanzucchi et al.                                |   |
|                    | A23                   | 5,681,484   | 10-28-1997                  | Zanzucchi et al.                                |   |
|                    | A24                   | 5,700,667   | 12-23-1997                  | Marble et al.                                   |   |
|                    | A25                   | 5,705,348   | 01-06-1998                  | Okamoto et al.                                  |   |
|                    | A26                   | 5,726,026   | 03-10-1998                  | Wilding et al.                                  |   |
|                    | A27                   | 5,747,169   | 05-05-1998                  | Fan et al.                                      |   |
|                    | A28                   | 5,755,942   | 05-26-1998                  | Zanzucchi et al.                                |   |
|                    | A29                   | 5,770,029   | 06-23-1998                  | Nelson et al.                                   |   |
|                    | A30                   | 6,013,170   | 01-11-2000                  | Meade   |   |
|                    | A31                   | 6,013,459   | 01-11-2000                  | Meade   |   |
|                    | A32                   | 6,090,545   | 07-18-2000                  | Wohlstadter et al.                              |   |
|                    | A33                   | 6,100,045   | 08-08-2000                  | Van Es  |   |
|                    | A34                   | 6,100,099   | 08-08-2000                  | Gordon et al.                                   |   |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

4

**Complete if Known**

|                        |                                    |
|------------------------|------------------------------------|
| Application Number     | 09/760,384                         |
| Filing Date            | January 11, 2001                   |
| First Named Inventor   | DUONG, Hau H.                      |
| Group Art Unit         | 1743                               |
| Examiner Name          | Sines, Brian J.                    |
| Attorney Docket Number | A-68718-2/RFT/RMS/RMK (463037-217) |

RECEIVED  
DEC 19 2003  
TC 1700

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | U.S. Patent Document Number-Kind Code <sup>2</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|---|-----------------------------|---|---|
|                    | A35      | 6,211,356 B1  | 04-03-2001                  | Wiessler et al.                                 |   |
|                    | A36      | 6,258,593 B1  | 07-10-2001                  | Schembri et al.                                 |   |
|                    | A37      | 6,326,211 B1  | 12-04-2001                  | Anderson et al.                                 |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|----------|---|-----------------------------|---|---|----------------|
|                    | B1       | EP 0 439 036  | 07-31-1991                  | Hoffman-La Roche AG                             | Abstract  |                |
|                    | B2       | EP 0 478 319 A1   | 04-01-1992                  | Tokyo Shibaura Elect. Co.                       |   |                |
|                    | B3       | EP 0 637 996 B1   | 02-15-1995                  | Trustees of Univ. of Pennsylvania               |   |                |
|                    | B4       | EP 0 637 998 B1   | 02-15-1995                  | Trustees of Univ. of Pennsylvania               |   |                |
|                    | B5       | WO 93/23425 A1  | 11-25-1993                  | The Ontario Cancer Inst.                        |   |                |
|                    | B6       | WO 94/22889 A1  | 10-13-1994                  | Cis Bio International                           |   |                |
|                    | B7       | WO 95/35102 A1  | 12-28-1995                  | NexStar Pharmaceuticals, Inc.                   |   |                |
|                    | B8       | WO 96/15450 A1  | 05-23-1996                  | David Sarnoff Research Center                   |   |                |
|                    | B9       | WO 96/15576 A1  | 05-23-1996                  | David Sarnoff Research Center                   |   |                |
|                    | B10      | WO 96/39252 A1  | 12-12-1996                  | David Sarnoff Research Center                   |   |                |
|                    | B11      | WO 96/39260 A1  | 12-12-1996                  | David Sarnoff Research Center                   |   |                |
|                    | B12      | WO 97/16561 A1  | 05-09-1997                  | David Sarnoff Research Center                   |   |                |
|                    | B13      | WO 97/27324 A1  | 07-31-1997                  | David Sarnoff Research Center                   |   |                |
|                    | B14      | WO 97/37755 A1  | 10-16-1997                  | Sarnoff Corporation                             |   |                |
|                    | B15      | WO 97/43629 A1  | 11-20-1997                  | Sarnoff Corporation                             |   |                |
|                    | B16      | WO 97/46568 A1  | 12-11-1997                  | Calif. Inst. of Technology                      |   |                |
|                    | B17      | WO 98/13683 A1  | 04-02-1998                  | Sarnoff Corporation                             |   |                |
|                    | B18      | WO 98/31839 A2  | 07-23-1998                  | Harvard College                                 |   |                |
|                    | B19      | WO 99/33559 A1  | 07-08-1999                  | Cepheid   |   |                |

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
|--------------------|----------|---|----------------|
|                    | C1       | ALEXANDER, V., "Design and Synthesis of Macrocyclic Ligands and their Complexes of Lanthanides and Actinides," <i>Chem. Rev.</i> 95(2):273-342 (Mar. - Apr. 1995).  |                |

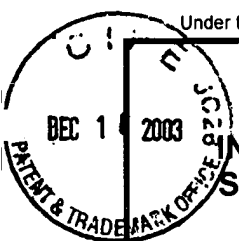
|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

|                        |                                    |
|------------------------|------------------------------------|
| Application Number     | 09/760,384                         |
| Filing Date            | January 11, 2001                   |
| First Named Inventor   | DUONG, Hau H.                      |
| Group Art Unit         | 1743                               |
| Examiner Name          | Sines, Brian J.                    |
| Attorney Docket Number | A-68718-2/RFT/RMS/RMK (463037-217) |

|       |   |    |   |
|-------|---|----|---|
| Sheet | 3 | of | 4 |
|-------|---|----|---|

RECEIVED  
DEC 19 2003  
TC 1700

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
|--------------------|----------|---|----------------|
|                    | C2       | ANNE, A., et al., "Synthesis of first ferrocene labeled dideoxynucleotide and its use for 3'redox end-labeling of 5' modified single stranded oligonucleotides," <i>Bioconjug. Chem.</i> 12(3):396-405 (May - Jun. 2001).                                       |                |
|                    | C3       | CODINGTON, J.F., et al., "Nucleosides. XIII. Synthesis of 3'-Amino-3'-deoxy-arabinosyl-uracil via 2', 3'-Epoxy-lyxosyl Nucleosides," <i>J. Org. Chem.</i> 27(1):163-167 (Jan. 1962).  |                |
|                    | C4       | CONWAY, N.E., et al., "Site-specific attachment of labels to the DNA backbone," in <i>Oligonucleotides and Analogues: A Practical Approach</i> , 211-239, Eckstein, F. (ed.), IRL Press: Oxford, GB (1991).   |                |
|                    | C5       | DWYER, T., et al., "Structural Analysis of Covalent Peptide Dimers, Bix(pyridine-2-carboxamidonetropsin) (CH <sub>2</sub> ) 3-6, in Complex with 5'-TGACT-3' Sites by Two Dimensional NMR," <i>J. Am. Chem. Soc.</i> 115(22):9900-9906 (1993).                  |                |
|                    | C6       | GAIT, M.J., "Oligoribonucleotide Synthesis," in <i>Oligonucleotides and Analogues: A Practical Approach</i> , 25-48, Eckstein, F. (ed.), IRL Press: Oxford, GB (1991).  |                |
|                    | C7       | GILLES, P.N., et al., "Single nucleotide polymorphic discrimination by an electronic dot blot assay on semiconductor microchips," <i>Nat. Biotechnol.</i> 17(4):365-370 (Apr. 1999).  |                |
|                    | C8       | GLOVER, D., et al., "Alternating current Polarography in the Harmonic Multiplex Mode," <i>Anal. Chem.</i> 45(11):1869-1877 (Sep. 1973).   |                |
|                    | C9       | KIRSCHENHEUTER, G., et al., "An Improved Synthesis of 2'-Azido-2'-Deoxyuridine," <i>Tet. Lett.</i> 35(46):8517-8520 (1994).   |                |
|                    | C10      | KRIDER, E.S., et al., "Electron transfer in DNA: covalent attachment of spectroscopically unique donor and acceptor complexes," <i>JBC</i> 3:222-225 (1998).  |                |
|                    | C11      | KRIDER, E.S., et al., "Automated Synthesis of 3' Metalated Oligonucleotides," <i>Inorg. Chem.</i> 40(16):4002-4009 (Jul. 2001).   |                |
|                    | C12      | KUMAR, A., et al., "A Simple Method for Introducing -SH/COOH Group at 5'-CH end of Oligonucleotide," <i>Nucleosides Nucleotides</i> 11(5):999-1002 (1992).  |                |
|                    | C13      | LIU, R., et al., "Passive mixing in a three-dimensional serpentine microchannel," <i>J. Microelectromechanical Systems</i> 9(2):190-196 (Jun. 2000).  |                |
|                    | C14      | MENGEL, R., et al., "A Simple Synthesis of 2'-Deoxy-2'-fluorocytidine by Nucleophilic Substitution of 2,2 -Anhydrocytidine with Potassium Fluoride/Crown Ether," <i>Angew. Chem. Intl. Ed. Engl.</i> 17(7):525 (1978).  |                |
|                    | C15      | MILLAN, K.M., et al., "Sequence-Selective Biosensor for DNA Based on Electroactive Hybridization Indicators," <i>Anal. Chem.</i> 65(17):2317-2323 (Sep. 1993).  |                |
|                    | C16      | MILLER, N., et al., "Nucleosides. XXI. Synthesis of Some 3'-Substituted 2',3'-Dideoxyribonucleosides of Thymine and 5-Methylcytosine," <i>J. Org. Chem.</i> 29:1772-1776 (Jul. 1964).   |                |
|                    | C17      | MITSUI, T., et al., "Coumarin-fluorescein pair as a new donor-acceptor set for fluorescence energy transfer study of DNA," <i>Tet. Lett.</i> 41(15):2605-2608 (2000).   |                |
|                    | C18      | NAPIER, M., et al., "Probing biomolecule recognition with electron transfer: electrochemical sensors for DNA hybridization," <i>Bioconjug. Chem.</i> 8(6):906-913 (Nov. - Dec. 1997).   |                |
|                    | C19      | O'DONNELL-MALONEY, M., et al., "The development of microfabricated arrays for DNA sequencing and analysis," <i>Trends Biotechnol.</i> 14(10):401-407 (Oct. 1996).   |                |
|                    | C20      | PIEKEN, W.A., et al., "Kinetic Characterization of Ribonuclease-Resistant 2'-Modified Hammerhead Ribozymes," <i>Science</i> 253(5017):314-317 (Jul. 1991).  |                |
|                    | C21      | SEBESTA, D., et al., "2'-Deoxy-2'-Alkoxyaminouridines: Novel 2'-Substituted Uridines prepared by Intramolecular Nucleophilic Ring Opening of 2,2'-O-Anydrouridines," <i>Tetrahedron</i> 52(46):14385-14402 (Nov. 1996).   |                |
|                    | C22      | SINHA, N.D., et al., "Oligonucleotides with reporter groups attached to the 5'-Terminus," in <i>Oligonucleotides and Analogues: A Practical Approach</i> , 185-210, Eckstein, F. (ed.), IRL Press: Oxford, GB (1991).   |                |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Compleat if Known

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

4

Application Number

09/760,384

Filing Date

January 11, 2001

First Named Inventor

DUONG, Hau H.

Group Art Unit

1743

Examiner Name

Sines, Brian J.

Attorney Docket Number

A-68718-2/RFT/RMS/RMK (463037-217)

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
|--------------------|----------|---|----------------|
|                    | C23      | SPROAT, B.S., et al., "2-O-Methyloligoribonucleotides: synthesis and applications," in <i>Oligonucleotides and Analogues: A Practical Approach</i> , 211-239, Eckstein, F. (ed.), IRL Press: Oxford, GB (1991).   |                |
|                    | C24      | UTO, Y., et al., "Electrochemical analysis of DNA amplified by the polymerase chain reaction with a ferrocenylated oligonucleotide," <i>Anal. Biochem.</i> 250:122-124 (1997).  |                |
|                    | C25      | VERHEYDEN, J.P.H., et al., "Synthesis of some pyrimidine 2'-amino-2'-deoxynucleosides," <i>J. Org. Chem.</i> 36(2):250-254 (1971).  |                |
|                    | C26      | XI, Z., et al., "New Stereocontrolled Synthesis of Isomeric C-Branched $\beta$ -D-Nucleosides by Intramolecular Free-Radical Cyclization-Opening Reactions Based on Temporary Silicon Connection," <i>Tetrahedron</i> 48(2):349-370 (1992).                     |                |
|                    | C27      | YU, C., et al., "2' ribose ferrocene oligonucleotides for electronic detection of nucleic acids," <i>J. Org. Chem.</i> 66(9):2937-2942 (May 2001).  |                |
|                    | C28      | ZIMMERMAN, R., et al., "DNA stretching on functionalized gold surfaces," <i>Nucleic Acids Res.</i> 22(3):492-497 (Feb. 1994).   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1123400\_1